

MacWireless AirPort Mini Booster

For 17" Aluminum PowerBooks with an AirPort Extreme Card

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Introduction

Thank you for purchasing a MacWireless booster. Before installing your booster, we recommend that you test your current signal level using iStumbler. Compare this result to the signal level after installation to see how much your connection has improved. iStumbler is included on the MacWireless CD in the "Extra Software" directory, and is also available for download at: <http://www.istumbler.net/>

Installation

1. Shut down your PowerBook, disconnect the power, and fold the screen closed.
2. Turn the computer over and remove the battery.
3. Remove the eight screws from the sides of the PowerBook, four on each side, as in Figure 1.
4. Remove the five screws on the bottom back of the PowerBook.
5. Remove the three screws on the memory compartment cover and remove it, as shown in Figure 2.



Figure 1

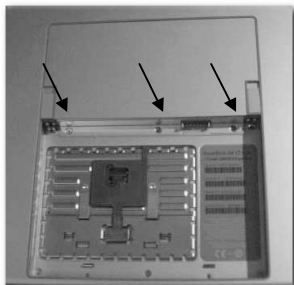


Figure 2

6. Remove the three screws on the front edge of the battery compartment.
7. If you have a memory card installed in the slot nearest to the battery compartment, remove it.
8. Using a Torx T8 driver, remove the two screws from the memory area.
9. Remove the flex cable from the memory area. Please note that the connector is fragile. Be careful not to apply too much pressure when removing the cable.
10. Turn the computer over and fold the screen open.
11. Pull up on the front and sides of the case until the keyboard and case lift up.
12. Find your AirPort Extreme card and trace the path of its antenna cable until you find a gold connector as shown in Figure 3. Pull this connector apart.

13. From outside the machine, pass the smaller end of the MacWireless antenna cable adapter through the PC Card slot. Connect this cable to the portion of the internal AirPort antenna cable that is still connected to the AirPort Extreme Card itself.
14. Replace the case and keyboard. Fold down the screen and turn the machine over.
15. Replace the flex cable in the memory area, then replace the two Torx screws in the memory area.
16. Replace the memory card in the slot nearest to the battery compartment.
17. Replace the screws on the front edge of the battery compartment.
18. Replace the memory compartment cover and screws.
19. Replace the remaining screws on the back and sides of the PowerBook.

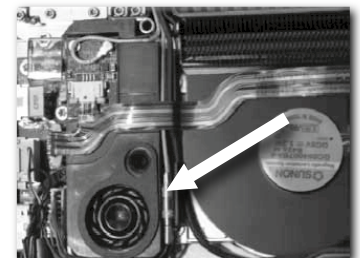


Figure 3

Installation, cont.

20. Replace the battery and turn the machine over.
21. Connect the MacWireless AirPort Mini Booster to the cable adapter.
22. Mount the Mini Booster on the back of the display using the provided mount.
23. Included with the Mini Booster are two power adapter options; one for standard AC outlets, and one for USB ports. Choose a power adapter and connect it to the Mini Booster.
24. Connect the power adapter to either an available USB port or an available AC outlet, as appropriate.
25. Power on your base station and position the antenna for optimal performance.

Factors Affecting Range and Performance of All Wireless LAN Systems

For optimal performance, place wireless devices with a clear line of sight to one another. If this is not possible, minimize interference and signal loss by minimizing the number of obstacles between your wireless devices. Metal and concrete obstacles will often prevent a successful wireless connection. Other objects that may decrease signal strength include metal studs in walls, concrete fiberboard walls, aluminum siding, foil-backed insulation in the walls or under the siding, pipes, electrical wiring, trees, leaves, and furniture. In some situations, interference from other electrical devices may prevent a successful connection. Microwave ovens, cordless phones, radio transmitters, and other wireless devices are the most common sources of interference. In reflective and high interference environments, antennas and boosters may not produce the desired results. Wireless signals are radio waves, and in certain situations, these waves will cancel one another out, and may yield no improvement in signal strength. Our wireless cards, access points, antennas, and boosters work very well for the majority of our customers. However, due to the number of variables involved in wireless systems, we do not guarantee that you will achieve any improvement in range for your specific application.

This modification may void your warranty. MacWireless accepts no responsibility or liability for any modification. Although MacWireless products have been tested and verified, MacWireless does not accept responsibility for loss or damage to any equipment or device. Use at your own risk.